



AVOX Systems

Chemical Oxygen Equipment
Portable Breathing Units

AVIOX® Portable Oxygen Breathing Units



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The AVOX Systems AVIOX portable oxygen units are intended to provide supplemental oxygen to aircraft crew or passengers for high-altitude breathing to altitudes up to 40,000 feet. These units can also be used therapeutically, in conformance with an approved emergency medical protocol or as directed by a doctor.

AVIOX SINGLE-PAK and DUO-PAK® units, are self-contained portable oxygen systems that provide immediate oxygen availability, to aircraft crew members trained in its use, from replaceable chemical oxygen generators without the need for high-pressure oxygen storage.

When properly set up for standby service and with the tamper seal in place, the AVIOX units are ready for use when needed. A set-up, self-contained portable unit includes a comfortable mask with one oxygen generator in a SINGLE-PAK and two oxygen generators in the DUO-PAK. Each generator supplies a minimum average 4 lpm flow of oxygen for about 20 minutes. The DUO-PAK unit can be configured to supply various oxygen flows and durations to one or two persons.





Features:

- Completely self-contained, portable, lightweight
- Solid state chemical oxygen generators require no high-pressure gaseous oxygen storage
- Actuation provides oxygen flow within 12 seconds
- The actuator – use lock position to guard against accidental actuations
- Relief valves – to vent flow in the event of a hose blockage
- DUO-PAK single mask configuration – the capability to replace a generator during operation allows for continuous use
- FAA TSO C-64a flow indicating mask
- Tool included for removal of heated or cooled expended generators mounts in cover
- Generator storage life – with outlet kept sealed or installed in a unit – 10 years from date of manufacture
- Expended generator indicator – a white heat sensitive mark on the firing end of the generator will turn gray or black when the generator is actuated



Replacement generator only, shown ready to install. See warning below.

National Stock Numbers

802501-15	1660-01-356-8685
802502-15	6515-01-376-2805
802111-06	1660-01-361-1358



The Single-Pak provides a 4 lpm (STPD) average flow for approximately twenty minutes. The Duo-Pak provides a 4 lpm average flow for forty minutes when each generator is consumed separately, or an 8 lpm average flow for twenty minutes when both generators are initiated simultaneously.

The Duo-Pak is also available with two (2) masks and a flow splitting manifold that will supply one half the flow to two (2) persons. For further information, contact AVOX Systems on the front.

Specifications

Single-Pak	Description	Duo-Pak
802501-11	Part Number (Single mask unit, less generator[s])	802502-11
802501-15	Part Number (Single mask unit, includes generator[s])	802502-15
0°F to 120°F	Operating Range	0°F to 120°F
14.5"	Height	14.8"
5.5"	Width	9.8"
4.5"	Depth	4.75"
4.30 lb.	Weight With Generator And TSO Mask	8.25 lb.
Wall Mount Brackets (Mounts With Four [4] Fasteners [not included])		
802135-00	Part Number	802136-00
10.75"	Height	10.75"
5.68"	Width	9.20"
4.82"	Depth	5.20"
1.1 lb.	Weight	1.5 lb.
802111-00	Part Number, One [1] Generator Replacement Kit**	802111-00
802111-06	Part Number, Six [6] Individual Generator Replacement Kit packed in a single container.**	802111-06
1.75 lbs. max	Weight of P/N 802111-00 Generator Replacement Kit	1.75 lbs. max
10.5 lbs. max	Weight of P/N 802111-06 Six (6) Pack Replacement Kit	10.5 lbs. max
801913-00	Extraction Tool	801913-00
803203-01	Mask Assembly with Flow Indicator and Hose	803203-01
10004952	Tamper Tabs	10004952

** Replacement Generator Kits include P/N 802093-01 Generator(s), information sheet and two P/N 10004952 Tamper Tabs

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE MAINTAINED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR.

CHEMICAL OXYGEN GENERATORS PRODUCE OXYGEN AND HEAT WHEN ACTUATED. SURFACE TEMPERATURE OF GENERATORS MAY REACH 400°F

OR HIGHER WHEN ACTUATED. INADVERTENT ACTUATION OF A CHEMICAL OXYGEN GENERATOR MAY RESULT IN FIRE, PERSONAL INJURY, OR DEATH. SPECIAL SHIPPING RESTRICTIONS APPLY – THIS EQUIPMENT MAY NOT BE SHIPPED BY ANY MODE WITHOUT REMOVING THE CHEMICAL OXYGEN GENERATOR(S) INSIDE.

NOTE: OXYGEN GENERATORS ARE CONSIDERED A HAZARDOUS MATERIAL FOR SHIPMENT AND HAVE BEEN ASSIGNED THE SHIPPING NAME "OXYGEN GENERATOR, CHEMICAL" AND THE IDENTIFICATION NUMBER UN 3356. IN THE UNITED STATES OXYGEN OXYGEN GENERATORS MAY ONLY BE OFFERED FOR TRANSPORTATION WHEN PACKAGED AND MARKED IN ACCORDANCE WITH AN APPROVAL OR AN EXEMPTION ISSUED BY THE US DOT.